Record 4: JP7138321A

(ENG) PRODUCTION OF POLYOLEFIN

Assignee: MITSUBISHI CHEM CORP

[no drawing available]

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Abstract: (ENG) <sec>PURPOSE: To obtain an ethylene polymer excellent in uniform stretchability, rigidity, etc., by (co)polymerizing ethylene under specified conditions in the presence of a specified catalyst system. CONSTITUTION: In (co)polymerizing ethylene by using a catalyst system consisting of an organoaluminum compound and a solid catalyst component containing at least Mg, Ti and a halogen, the polymerization reaction is performed in two steps, i.e., ethylene is polymerized in the presence of H2</sb>in a specified molar ratio to ethylene to produce a prescribed amount of a polymer having a prescribed intrinsic viscosity in the first or second reaction region, and in the presence of this reactional product and a specified amount of H2</sb>, ethylene alone or ethylene and other α-olefin are polymerized to produce a prescribed amount of a polymer having an α-olefin content of at most 5wt.% and a prescribed intrinsic viscosity in the other reaction region so that the intrinsic viscosities of the polymers produced in these two reaction regions are at a specified ratio and finally produced whole polymers have an intrinsic viscosity and a density each in a specified range.</sec>

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IPC (International Class): C08F01000; C08F004654